

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2011

Appropriation / Budget Activity / Serial No:

Other Procurement, Army / 3 / Other support equipment

P-1 Item Nomenclature

BASE DEFENSE SYSTEMS (BDS) (M90101)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty				9447		9447	1666	2781	2757	2530		19181
Gross Cost				41.2		41.2	7.9	27.5	36.0	42.6	Continuing	Continuing
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1				41.2		41.2	7.9	27.5	36.0	42.6	Continuing	Continuing
Initial Spares												
Total Proc Cost				41.2		41.2	7.9	27.5	36.0	42.6	Continuing	Continuing
Flyaway U/C												
Weapon System Proc U/C				0.0		0.0	0.0	0.0	0.0	0.0	Continuing	Continuing

Description:

Base Defense Systems (BDS) includes Non-Intrusive Inspection Systems (NIIS) (M90108), Battlefield Anti-Intrusion System (BAIS) (M90202) and Lighting Kit Motion Detection (LKMD) (M90204).

NIIS is a family of systems that inspect for the presence of explosives, weapons and other contraband in vehicles, cargo containers and personnel from a distance providing stand-off ballistic and blast protection. The current family of systems includes the Z-backscatter Van (ZBV), Military Mobile Vehicle and Cargo Inspection System (MMVACIS) and personnel scanners such as the Secure-1000. All systems are either mobile or fully relocatable. It is a force multiplier that maximizes protection of personnel, equipment and installations while minimizing manpower requirements. NIIS provides the capability to non-intrusively inspect vehicles, cargo containers and personnel for the presence of explosives, weapons or other contraband which can kill or injure Soldiers and destroy critical warfighting materiel. NIIS supports the urgent need for Counter-Improvised Explosive Device equipment to support military operations. NIIS is not yet a program of record, therefore, there is no approved Army Acquisition Objective.

BAIS is a compact, modular, light-weight, unattended tactical ground seismic/acoustic sensor that provides tactical units forward Operating Bases with an enhanced force protection capability. BAIS enhances force protection. BAIS provides early detection and warning of personnel and wheeled or tracked vehicles, increasing situational awareness during defensive and ambush-type operations. BAIS can be integrated into a layered system of systems force protection plan for small tactical units. BAIS is also one of the sub-systems included in the Force Protection Suite that is part of the Base Expeditionary Targeting and Surveillance System, Combined (BETSS-C), employed in Forward Operating Bases (FOB) and Combat Outpost (COP) defense and force protection. Program provides combat soldiers a force multiplier security/force protection system that significantly increases the combat potential and soldier survivability of that force, thus enhancing the probability of successful mission accomplishment. The Army Acquisition Objective (AAO) is 8,933 systems.

LKMD is a lightweight, man-portable, easily emplaced and recoverable motion activated warning device. LKMD provides a early detection and warning capability enhancing force protection and situational awareness during all types of combat operations. LKMD is a motion activated (IR and Microwave) warning and illumination (visible light, IR and strobe) system. LKMD can be employed in a stand-alone configuration or as part of an integrated protection plan. LKMD provides small-unit Commanders with close-in warning of imminent intrusion and illuminates the intrusion where it occurs, permitting easier identification and facilitating appropriate reaction. LKMD systems will be organic to appropriate tactical units. LKMD provides support systems to Army units either operating in or deploying to combat theaters, thereby increasing force protection posture. The Army fielding plan, based on the approved Basis of Issue Plan, requires systems be provided to be the following types of units: Military Police, Infantry, Armor, and Combat Engineers. LKMD replaces the M49 Trip Flare, Electronic which is no longer in production. The Army Acquisition Objective (AAO) is 34,711 systems.

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P-1 Item Nomenclature

BASE DEFENSE SYSTEMS (BDS) (M90101)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Justification:

FY12 Base procurement dollars in the amount of \$1,683 provides minimal program support for NIDS hardware purchased in earlier years for Entry Control Point (ECP), funded in the Physical Security Systems (MA0780) program. No equipment will be procured.

FY12 Base procurement funding in the amount of \$5,288 million procures 447 BAIS systems. This equipment is used by Infantry and small tactical units who will use the systems to detect and gain early warning of potential threats over a 450 meter front. The production schedule is being moved to the left in order to get more BAIS to the Warfighter faster.

FY12 Base procurement funding in the amount of \$34,233 million procures 9,000 LKMD systems to Active Army, National Guard, and Army Reserve units in CONUS, OCONUS, and the theaters. The LKMD, AN/GAR-2, provides intrusion detection and early warning of potential threats to individuals, teams, squads, and platoons. The LKMD is used as a tactical stand-alone system and as a supplemental device for use with other security systems such as the Battlefield Anti Intrusion System (BAIS), AN/PRS-9.

Prior to FY12, BAIS was procured in the Protective Systems (SSN W01103) program, and LKMD was procured in the Physical Security Systems (SSN MA0780) program.

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Other Procurement, Army / 3 / Other support equipment

P-1 Item Nomenclature

BATTLEFIELD ANTI-INTRUSION SYSTEM (BAIS) (M90202)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty				447		447	77	1191	1167	927		3809
Gross Cost				5.3		5.3	1.4	21.6	19.9	14.1	Continuing	Continuing
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1				5.3		5.3	1.4	21.6	19.9	14.1	Continuing	Continuing
Initial Spares												
Total Proc Cost				5.3		5.3	1.4	21.6	19.9	14.1	Continuing	Continuing
Flyaway U/C												
Weapon System Proc U/C				0.0		0.0	0.0	0.0	0.0	0.0	Continuing	Continuing

P-40 Breakdown

Area	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	0	0	245	0	245	44	679	665	528
	Gross Cost	0.0	2878.0	0.0	2878.0	765.0	11950.0	10516.0	6583.0
National Guard	0	0	138	0	138	25	393	385	306
	Gross Cost	0.0	1874.0	0.0	1874.0	482.0	7477.0	7326.0	5818.0
Reserve	0	0	64	0	64	8	119	117	93
	Gross Cost	0.0	536.0	0.0	536.0	138.0	2137.0	2093.0	1662.0
Total	0	0	447	0	447	77	1191	1167	927
	Gross Cost	0	5288	0	5288	1385	21564	19935	14063

Description:

Battlefield Anti-Intrusion System (BAIS) is a compact, modular, light-weight, unattended tactical ground seismic/acoustic sensor that provides tactical units forward Operating Bases with an enhanced force protection capability. BAIS provides early detection and warning of personnel and wheeled or tracked vehicles, increasing situational awareness during defensive and ambush-type operations. BAIS can be integrated into a layered system of systems force protection plan for small tactical units. BAIS is also one of the sub-systems included in the Force Protection Suite that is part of the Base Expeditionary Targeting and Surveillance System, Combined (BETSS-C), employed in Forward Operating Bases (FOB) and Combat Outpost (COP) defense and force protection.

The Army Acquisition Objective (AAO) is 8,933 systems.

Justification:

FY 12 Base procurement funding in the amount of \$5.288 million procures 447 BAIS systems. This equipment is used by Infantry and small tactical units who will use the systems to detect and gain early warning of potential threats over a 450 meter front. The production schedule is being moved to the left in order to get more BAIS to the Warfighter faster.

M90101 (M90202)

BATTLEFIELD ANTI-INTRUSION SYSTEM (BAIS)

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Exhibit P-40
Budget Item Justification Sheet

Exhibit P-5, Weapon OPA3 Cost Analysis

Appropriation/Budget Activity/Serial No:
equipment
Other Procurement, Army / 3 / Other support

P-1 Line Item Nomenclature:
BATTLEFIELD ANTI-INTRUSION SYSTEM (BAIS)
(M90202)

Weapon System Type:

Date:
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OPA3 Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware								3290	447	11				3290	447	11
Fielding Support								283						283		
SETA								1263						1263		
Government Program Management								452						452		
Total:								5288						5288		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2011

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 3/ Other support equipment		Weapon System Type:		P-1 Line Item Nomenclature: BATTLEFIELD ANTI-INTRUSION SYSTEM (BAIS) (M90202)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revisn Avail	RFP Issue Date		
Hardware												
FY 2012	L3 Communications Systems East Camden NJ	C / IDIQ	Natick MA	Aug 12	Apr 13	447	11					

REMARKS: Delivery numbers and dates for FY12 based on contract negotiations.

February 2011

Fiscal Year 13

	Calendar Year 12									Calendar Year 13					
M E R V	S PROC QTY Units	A C C E P T O I O C T	B A L D U E A S O F I O C T	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
F Y	R	V	I O C T	T	C	E	N	B	K	P	Y	L	G	P	

[illegible]

M	F	R	Name - Location	PRODUCTION RATES			Reached D+	MFR		ADMIN LEAD TIME		MFR	TOTAL	REMARKS
				MIN	1-8-5	MAX				Prior 1 Oct	After 1 Oct			
1			E3 Communications Systems East, Camden NJ	10	200	2500		1	Initial	0	11	8	19	
									Reorder	0	0	0	0	
									Initial					
									Reorder					
									Initial					
									Reorder					
									Initial					
									Reorder					
									Initial					
									Reorder					